

Translation

PATENT COOPERATION TREATY

PCT/JP2003/015551



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PA5199PCT	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/JP2003/015551	International filing date (<i>day/month/year</i>) 04 December 2003 (04.12.2003)	Priority date (<i>day/month/year</i>) 10 January 2003 (10.01.2003)
International Patent Classification (IPC) or national classification and IPC B41C 1/055, B41L 13/04		
Applicant RISO KAGAKU CORPORATION		

<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of _____ sheets, as follows:</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>	
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>	

Date of submission of the demand 13 July 2004 (13.07.2004)	Date of completion of this report 17 November 2004 (17.11.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/015551

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language _____, which is language of a translation furnished for the purpose of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ The international application as originally filed/furnished
- ☐ the description:
- pages _____, as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the claims:
- pages _____, as originally filed/furnished
- pages* _____, as amended (together with any statement) under Article 19
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the drawings:
- pages _____, as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP03/15551

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-15	YES
	Claims	16-18	NO
Inventive step (IS)	Claims	1-3, 6-9, 13	YES
	Claims	4, 5, 10-12, 14-18	NO
Industrial applicability (IA)	Claims	1-18	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1: JP, 2001-018507, A (Riso Kagaku Corp.), 23 January, 2001, column 8, lines 31 to 37; column 12, lines 7 to 15 & EP, 1066967, A2 page 5, lines 41 to 46; page 8, lines 21 to 36

Document 2: JP, 2002-144689, A (Tohoku Ricoh Co., Ltd.), 22 May, 2002, column 16, line 13 to column 17, line 45

Document 3: JP, 2001-260406, A, Fuji Photo Film Co., Ltd.), 25 September, 2001, column 4, lines 12 to 19; column 13, lines 33 to 36

Document 4: JP, 2001-287333, A (Tohoku Ricoh Co., Ltd.), 06 October, 2001, column 12, lines 42-50

The stencil paper roll of claims 16-18 cannot be differentiated from a stencil paper roll of column 8, lines 31 to 37 and column 12, lines 7 to 15 of document 1 cited in the ISR, therefore, it neither possesses novelty nor appears to involve an inventive step.

The inventions of claims 4, 5, 10 and 12 do not appear to involve an inventive step based on documents 2 and 3 cited in the ISR.

Applying the matter of controlling a thermal head based on time elapsed from production of a thermal object as described in column 4, lines 12 to 19 in document 3 to a method for controlling impression energy of a thermal head based on information of stencil paper as described in document 2 could obviously be conceived of by a person skilled in the art.

Further, the point of controlling impression energy of a thermal head based on a type of stencil paper is described in column 16, line 13 to column 17, line 45 in document 2.

The invention of claim 11 does not appear to involve an inventive step based on documents 2 and 3 and newly cited document 4.

Applying the matter of controlling impression energy of a thermal head based on environmental temperature as described in column 12, lines 42-50 in document 4 to a stencil printing device in document 2 could obviously be conceived of by a person skilled in the art.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of Box V.2:

The inventions of claims 14 and 15 do not appear to involve an inventive step based on documents 1-4.

Applying the matter of recording information on stencil paper onto a stencil paper roll as described in document 1 to a stencil printing device as described in document 2 could obviously be conceived of by a person skilled in the art.

The inventions of claims 1-3, 6-9 and 13 are not described in any of the documents cited in the ISR and would not be obvious to a person skilled in the art.